

Delaval, Jan

98431

From: Roark, Jessica
Sent: Wednesday, July 09, 2003 3:40 PM
To: Delaval, Jan
Subject: 09/952385 (child of 05/522752)

Jan,

Please update the ^{pending} pending, issued and PGPub files for the following from 09/952385:

SEQ ID NO:2.

child of 05/522752

Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

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OM protein - protein search, using sw model

Run on: July 9, 2003, 15:56:14 ; Search time 53 Seconds

(without alignments)
784.186 Million cell updates/sec

Title: US-09-952-385-2

Perfect score: 1854

Sequence: 1 MADDYGESESTSMEDYVNFN.....EGSLKLSMLLETTSALSL 357

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 445758 seqs, 116419773 residues

Number of hits satisfying chosen parameters: 445758

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_NEM_PUB pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEM_PUB pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEM_PUB pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB pep:*
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13: /cgn2_6/ptodata/1/pubpaa/US60_NEM_PUB pep:*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1854	100.0	357	9	US-09-966-755-2
2	1854	100.0	357	9	US-10-251-385-24
3	1854	100.0	357	9	US-10-225-567A-241
4	1854	100.0	357	10	US-09-903-377-2
5	1854	100.0	357	10	US-09-952-385-2
6	1854	100.0	357	12	US-10-000-759A-2
7	1848	99.7	357	9	US-10-251-385-176
8	780.5	42.1	378	9	US-10-251-385-74
9	780.5	42.1	378	9	US-10-225-567A-68
10	776.5	41.9	378	9	US-10-251-385-204
11	652	35.2	350	9	US-09-968-433-79
12	637	34.4	349	10	US-09-765-994-4
13	637	34.4	350	9	US-09-968-433-16
14	637	34.4	350	9	US-10-282-837-8
15	637	34.4	350	9	US-10-282-837-8
16	637	34.4	350	9	US-10-288-222A-10
17	637	34.4	350	9	US-10-288-222A-10
18	637	34.4	350	10	US-09-765-994-2
19	635.5	34.3	374	9	US-10-225-567A-390

20	624	33.7	342	10	US-09-852-156-6	Sequence 6, Appl1
21	619	33.4	342	10	US-09-852-156-4	Sequence 4, Appl1
22	612	33.0	342	9	US-10-225-567A-348	Sequence 348, App
23	612	33.0	342	10	US-09-852-156-2	Sequence 2, Appl1
24	612	33.0	342	10	US-09-940-063-2	Sequence 2, Appl1
25	603	32.5	352	12	US-10-106-623-20	Sequence 20, Appl1
26	596	32.1	352	9	US-10-232-686-2	Sequence 2, Appl1
27	596	32.1	352	9	US-10-086-814-1	Sequence 1, Appl1
28	596	32.1	352	9	US-09-734-221A-14	Sequence 14, Appl1
29	596	32.1	352	9	US-10-067-800-22	Sequence 22, Appl1
30	596	32.1	352	9	US-10-290-058A-6	Sequence 6, Appl1
31	596	32.1	352	9	US-10-225-567A-352	Sequence 352, App
32	596	32.1	352	10	US-09-725-285-2	Sequence 2, Appl1
33	596	32.1	352	10	US-09-759-841-2	Sequence 2, Appl1
34	596	32.1	352	10	US-09-779-879A-22	Sequence 22, Appl1
35	596	32.1	352	10	US-09-779-880A-22	Sequence 22, Appl1
36	596	32.1	352	10	US-09-813-653-15	Sequence 15, Appl1
37	596	32.1	352	10	US-09-813-653-17	Sequence 17, Appl1
38	596	32.1	352	10	US-09-796-202-1	Sequence 1, Appl1
39	596	32.1	352	10	US-09-195-662A-2	Sequence 2, Appl1
40	596	32.1	352	10	US-09-339-912A-2	Sequence 2, Appl1
41	596	32.1	352	10	US-09-938-719-5	Sequence 5, Appl1
42	596	32.1	352	10	US-09-939-426-5	Sequence 5, Appl1
43	596	32.1	352	10	US-09-938-703-5	Sequence 5, Appl1
44	596	32.1	352	10	US-09-502-783A-2	Sequence 2, Appl1
45	596	32.1	352	12	US-10-106-623-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-09-966-755-2
; Sequence 2, Application US/09966755
; Publication No. US2003002238A1
; GENERAL INFORMATION:
; APPLICANT: Andrew, David P.
; APPLICANT: Zabel, Brian A.
; APPLICANT: Ponath, Paul D.
; TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF
; FILE REFERENCE: LKS98-16
; CURRENT APPLICATION NUMBER: US/09/966,755
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/266,464
; PRIOR FILING DATE: 1999-03-11
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-966-755-2

Query Match 100.0%; Score 1854; DB 9; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.1e-159; Indels 0; Gaps 0;
Matches 357; Conservative 0; Mismatches 0; Indels 0;
QY 1 MADDYGESESTSMEDYVNFNFTDFYCEKNVROFASHFLPPLVWLVFVIGALNSVILV 60
DB 1 MADDYGESESTSMEDYVNFNFTDFYCEKNVROFASHFLPPLVWLVFVIGALNSVILV 60
QY 1 YWCTRYKVTMTDMLALADLLFLVTLFPWMAAADOMKFOFTPMCKVNVSNYKNFYS 120
DB 61 YWCTRYKVTMTDMLALADLLFLVTLFPWMAAADOMKFOFTPMCKVNVSNYKNFYS 120
QY 121 CVLLIMCISVDYRAIAQARAHRTWREKRLYSQVCFITLWVLAALCIPETILYSQIKKE 180
DB 61 YWCTRYKVTMTDMLALADLLFLVTLFPWMAAADOMKFOFTPMCKVNVSNYKNFYS 120
QY 121 CVLLIMCISVDYRAIAQARAHRTWREKRLYSQVCFITLWVLAALCIPETILYSQIKKE 180
DB 181 SGAICTMVPSPDESTLKSAAVLTLLKVIIGFLPFPVMAACCTYIIHTLLQAKKSSHKKA 240
DB 181 SGAICTMVPSPDESTLKSAAVLTLLKVIIGFLPFPVMAACCTYIIHTLLQAKKSSHKKA 240

Qy 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357
Db 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357

RESULT 2
US-10-251-385-24

Sequence 24, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
LE OF INVENTION: Protein-Coupled
LE OF INVENTION: Receptors
REFERENCE: AREN-0040
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 24
LENGTH: 357
TYPE: PRT
ORGANISM: Homo sapiens
US-10-251-385-24

Query Match 100.0%; Score 1854; DB 9; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.1e-159; Indels 0; Gaps 0;
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDYSESTSSMEDYVNFETDFYCEKNNVROFASHFLPPLVWLVFVIGALGNSLVILV 60
Db 1 MADDYSESTSSMEDYVNFETDFYCEKNNVROFASHFLPPLVWLVFVIGALGNSLVILV 60
Qy 61 YWCTRVKTMDFLNLAIADLLFLVTLPPWAIADQMKQOTFPCCKVNSMYKNFYS 120
Db 61 YWCTRVKTMDFLNLAIADLLFLVTLPPWAIADQMKQOTFPCCKVNSMYKNFYS 120
Qy 121 CVLLIMCISVDRIYIAIAQAMRAHTWREKRLYSKWVCFITWVLAALCIPILYSQIKKE 180
Db 121 CVLLIMCISVDRIYIAIAQAMRAHTWREKRLYSKWVCFITWVLAALCIPILYSQIKKE 180
Qy 181 SGAICTMYVPSDESTKLKSAVLTLLKVLIGFPLPVVMAACCTYIIHITLLOAKSSKHKA 240
Db 181 SGAICTMYVPSDESTKLKSAVLTLLKVLIGFPLPVVMAACCTYIIHITLLOAKSSKHKA 240
Qy 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357
Db 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357

RESULT 3

US-10-225-567A-241
Sequence 241, Application US/10225567A
Publication No. US20030113798A1
GENERAL INFORMATION:
APPLICANT: Lifespan Biosciences
APPLICANT: Brown, Joseph P.
APPLICANT: Burner, Glenn C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: Patentin version 3.1
SEQ ID NO 241
LENGTH: 357
TYPE: PRT
ORGANISM: Homo sapiens
US-10-225-567A-241

Query Match 100.0%; Score 1854; DB 9; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.1e-159; Indels 0; Gaps 0;
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDYSESTSSMEDYVNFETDFYCEKNNVROFASHFLPPLVWLVFVIGALGNSLVILV 60
Db 1 MADDYSESTSSMEDYVNFETDFYCEKNNVROFASHFLPPLVWLVFVIGALGNSLVILV 60
Qy 61 YWCTRVKTMDFLNLAIADLLFLVTLPPWAIADQMKQOTFPCCKVNSMYKNFYS 120
Db 61 YWCTRVKTMDFLNLAIADLLFLVTLPPWAIADQMKQOTFPCCKVNSMYKNFYS 120
Qy 121 CVLLIMCISVDRIYIAIAQAMRAHTWREKRLYSKWVCFITWVLAALCIPILYSQIKKE 180
Db 121 CVLLIMCISVDRIYIAIAQAMRAHTWREKRLYSKWVCFITWVLAALCIPILYSQIKKE 180
Qy 181 SGAICTMYVPSDESTKLKSAVLTLLKVLIGFPLPVVMAACCTYIIHITLLOAKSSKHKA 240
Db 181 SGAICTMYVPSDESTKLKSAVLTLLKVLIGFPLPVVMAACCTYIIHITLLOAKSSKHKA 240
Qy 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVEVLSQFPYNCILLVQITIDAYAMFISNCANVTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357
Db 301 NPVLVYFVGERFRRLDVKTLLKGLGCTISOQWVSFTFRREGSLKLSMLETTSGLSL 357

RESULT 4

US-09-903-377-2
Sequence 2, Application US/09903377
Patent No. US20020116727A1
GENERAL INFORMATION:
APPLICANT: Allen, Keith D.
TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CHEMOKINE
FILE REFERENCE: R-365
CURRENT APPLICATION NUMBER: US/09/903,377
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: US 60/217,255
PRIOR FILING DATE: 2000-07-10
PRIOR APPLICATION NUMBER: US 60/221,483
PRIOR FILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: US 60/262,113
PRIOR FILING DATE: 2001-01-16
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FaetsSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 357
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Targeting vector
US-09-903-377-2

Query Match 100.0%; Score 1854; DB 10; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.1e-159; Indels 0; Gaps 0;
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Db 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Qy 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Db 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Qy 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Db 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Qy 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Db 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Qy 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357
Db 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357

RESULT 5
US-09-952-385-2
Sequence 2, Application US/09952385
Patent No. US20020119504A1
GENERAL INFORMATION:
APPLICANT: Andrew, David P.
APPLICANT: Zabel, Brian A.
APPLICANT: Ponath, Paul D.
TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF
FILE REFERENCE: LKS98-16
CURRENT FILING DATE: 2001-09-13
PRIOR APPLICATION NUMBER: 09/266,464
PRIOR FILING DATE: 1999-03-11
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 357
TYPE: PRT
ORGANISM: Homo sapiens
US-09-952-385-2

Match 100.0%; Score 1854; DB 10; Length 357;
Local Similarity 100.0%; Pred. No. 1,1e-159;
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Db 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Qy 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Db 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Qy 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Db 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Qy 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Db 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Qy 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357

Db 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357

RESULT 6
US-10-000-759A-2
Sequence 2, Application US/10000759A
Patent No. US20020141991A1
GENERAL INFORMATION:
APPLICANT: Andrew, David P.
APPLICANT: Zabel, Brian A.
APPLICANT: Ponath, Paul D.
TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF
FILE REFERENCE: 1855,1064-003
CURRENT FILING DATE: 2001-10-23
PRIOR APPLICATION NUMBER: US/09/522,752
PRIOR FILING DATE: 2000-05-10
PRIOR APPLICATION NUMBER: US 09/266,464
PRIOR FILING DATE: 1999-03-11
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 357
TYPE: PRT
ORGANISM: Homo sapiens
US-10-000-759A-2

Query Match 100.0%; Score 1854; DB 12; Length 357;
Best Local Similarity 100.0%; Pred. No. 1,1e-159;
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Db 1 MADDYGSSTSSMEDYVNFNFTDPCCKNNVROFASHFLPPLVWLVITVGAAGNSLVILV 60
Qy 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Db 61 YWYCTRVKXTMTDMFLNLAIADLLFLVTLPEFWAIAADQKQOTMCKVNSMYKMFYS 120
Qy 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Db 121 CVLLIMCISVDRIYIAQAMRAHTREKRLYSKAVCFITWLAALCIPILYSQIKEE 180
Qy 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Db 181 SGIAICTWYPSDESTKLSKAVLTLLKVLGFPLPFVMAACCTYIIHTLIQAKSSSKKA 240
Qy 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Db 241 LKVTITVLTVPFVSOPFYNCILVOTIDAYAMFISNCVSTNIDICFOVTOTIAFFHSCL 300
Qy 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357
Db 301 NPVLVYFVGERFRDLVKTLLKNGCISQAQWVSFTRRGSLKLSMLETTSGLSL 357

RESULT 7
US-10-251-385-176
Sequence 176, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496

PRIOR FILING DATE: 1998-10-13
 NUMBER OF SEQ ID NOS: 294
 SOFTWARE: Patent in version 3.1
 SEQ ID NO: 176
 LENGTH: 357
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-251-385-176

Query Match 99.7%; Score 1848; DB 9; Length 357;
 Best Local Similarity 99.7%; Pred. No. 3,98-159;
 Matches 356; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MADDYGSSTSSMEDYVNFNFTDFYCEKNNVROFASHFLPPLVYLVIYVGLGNSLVLY 60
 DB 1 MADDYGSSTSSMEDYVNFNFTDFYCEKNNVROFASHFLPPLVYLVIYVGLGNSLVLY 60
 QY 61 YWYCTRVKWTMDMFLNLAIADLLFLVTLFPWALIAAQQMKFOTMCKVNSMYKXNFYS 120
 DB 61 YWYCTRVKWTMDMFLNLAIADLLFLVTLFPWALIAAQQMKFOTMCKVNSMYKXNFYS 120
 QY 121 CULLIMCISVDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 180
 DB 121 CULLIMCISVDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 180
 QY 181 SGAICTWVPSDESTKLSAVLTLLKVLGFELFPVWVACCTIIIIHTLIQAKSSKKA 240
 DB 181 SGAICTWVPSDESTKLSAVLTLLKVLGFELFPVWVACCTIIIIHTLIQAKSSKKA 240
 QY 241 LKVTITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAFPHSCL 300
 DB 241 LKVTITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAFPHSCL 300
 QY 301 NPVLVYFVGERFRDLVTKLNLGCISSQAWVSFTFRREGSLKLSMLETTSGLSL 357
 DB 301 NPVLVYFVGERFRDLVTKLNLGCISSQAWVSFTFRREGSLKLSMLETTSGLSL 357

RESULT 8
 US-10-251-385-74
 Sequence 74, Application US/10251385
 Publication No. US20030105292A1

GENERAL INFORMATION:
 APPLICANT: Behan, Dominic P.
 APPLICANT: Chalmers, Derek T.
 APPLICANT: Liaw, Chen W.
 TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
 TITLE OF INVENTION: Protein-Coupled
 TITLE OF INVENTION: Receptors
 TITLE REFERENCE: AREN-0040
 CURRENT APPLICATION NUMBER: US/10/251,385
 CURRENT FILING DATE: 2002-09-20
 PRIOR APPLICATION NUMBER: US/09/170,496
 PRIOR FILING DATE: 1998-10-13
 NUMBER OF SEQ ID NOS: 294
 SOFTWARE: Patent in version 3.1
 SEQ ID NO: 74
 LENGTH: 378
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-251-385-74

Query Match 42.1%; Score 780.5; DB 9; Length 378;
 Best Local Similarity 42.9%; Pred. No. 1,1e-62;
 Matches 153; Conservative 77; Mismatches 104; Indels 23; Gaps 6;

QY 1 MADDYGSSTSSMEDYVNFNFTDFYCEKNNVROFASHFLPPLVYLVIYVGLGNSLVLY 60
 DB 28 VTDDYIGDNTT-----VDYTLFESLCKSDVRNFKAMFLPIWYSIIICFVGLGNSLVLT 82
 QY 61 YWYCTRVKWTMDMFLNLAIADLLFLVTLFPWALIAAQQMKFOTMCKVNSMYKXNFYS 120
 DB 63 YIYFKRLKMTDITVLLNLAVADILFLTLTLPWALIAAQQMKFOTMCKVNSMYKXNFYS 142

QY 121 CULLIMCISVDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 180
 DB 143 GMLLLCISIDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 202
 QY 181 SG--IAICTWVPSDESTKLSAVLTLLKVLGFELFPVWVACCTIIIIHTLIQAKKS 235
 DB 203 SSEQAMRCSLI-----TEHVEAFITIQVAAQWIGFVPLPAMSFCYLVIRLLQARNF 256
 QY 236 SKKALKVITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAF 295
 DB 257 ERKALKVITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAF 316
 QY 296 FHSCLNPVLYVFGGERFRDLVTKLNLGCISSQAWVSFTFRREGSLKLSMLET 349
 DB 317 VRCCVNPFLVAFYGVKRNRLFLFLFDLGLCSQEQRLQWSSCRH-----IRSSMSVE 369

RESULT 9
 US-10-225-567A-68
 Sequence 68, Application US/10225567A
 Publication No. US20030113798A1

GENERAL INFORMATION:
 APPLICANT: Brown, Joseph P.
 APPLICANT: Burmer, Glenna C.
 APPLICANT: Roush, Christina L.
 TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPT
 FILE REFERENCE: 1920-4-4
 CURRENT APPLICATION NUMBER: US/10/225,567A
 CURRENT FILING DATE: 2001-12-19
 PRIOR APPLICATION NUMBER: 60/257,144
 PRIOR FILING DATE: 2000-12-19
 NUMBER OF SEQ ID NOS: 2292
 SOFTWARE: Patent in version 3.1
 SEQ ID NO: 68
 LENGTH: 378
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-225-567A-68

Query Match 42.1%; Score 780.5; DB 9; Length 378;
 Best Local Similarity 42.9%; Pred. No. 1,1e-62;
 Matches 153; Conservative 77; Mismatches 104; Indels 23; Gaps 6;

QY 1 MADDYGSSTSSMEDYVNFNFTDFYCEKNNVROFASHFLPPLVYLVIYVGLGNSLVLY 60
 DB 28 VTDDYIGDNTT-----VDYTLFESLCKSDVRNFKAMFLPIWYSIIICFVGLGNSLVLT 82
 QY 61 YWYCTRVKWTMDMFLNLAIADLLFLVTLFPWALIAAQQMKFOTMCKVNSMYKXNFYS 120
 DB 83 YIYFKRLKMTDITVLLNLAVADILFLTLTLPWALIAAQQMKFOTMCKVNSMYKXNFYS 142
 QY 121 CULLIMCISVDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 180
 DB 143 GMLLLCISIDRIYIAQAMRAHTREKRLYSKAVCTIIVWLAALCIPILYSQIKKE 202
 QY 181 SG--IAICTWVPSDESTKLSAVLTLLKVLGFELFPVWVACCTIIIIHTLIQAKKS 235
 DB 203 SSEQAMRCSLI-----TEHVEAFITIQVAAQWIGFVPLPAMSFCYLVIRLLQARNF 256
 QY 236 SKKALKVITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAF 295
 DB 257 ERKALKVITVTVPLSGFPNCLLVOTIDAYAMFISNCVSTNIDICFOVOTITAF 316
 QY 296 FHSCLNPVLYVFGGERFRDLVTKLNLGCISSQAWVSFTFRREGSLKLSMLET 349
 DB 317 VRCCVNPFLVAFYGVKRNRLFLFLFDLGLCSQEQRLQWSSCRH-----IRSSMSVE 369

RESULT 10
 US-10-251-385-204
 Sequence 204, Application US/10251385

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 9, 2003, 15:56:11 ; Search time 14 Seconds

(without alignments)
750.285 Million cell updates/sec

Title: US-09-952-385-2

Perfect score: 1854

Sequence: 1 MADDYGSSESTSMEDYVNFN.....EGSLKLSMLTETSGALSL 357

Scoring table:

BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1854	100.0	357	4	US-09-266-464-2
2	780.5	42.1	358	1	US-08-153-848-19
3	780.5	42.1	358	3	US-09-299-843A-19
4	780.5	42.1	358	4	US-09-088-337B-19
5	780.5	42.1	358	5	PCT-US93-11153-19
6	780.5	42.1	378	1	US-08-153-848-15
7	780.5	42.1	378	3	US-09-299-843A-15
8	780.5	42.1	378	4	US-09-251-545-15
9	780.5	42.1	378	4	US-09-088-337B-15
10	780.5	42.1	378	5	PCT-US93-11153-15
11	780.5	42.1	410	3	US-08-153-848-7
12	780.5	42.1	410	3	US-09-299-843A-7
13	780.5	42.1	410	4	US-09-088-337B-7
14	780.5	42.1	410	5	PCT-US93-11153-7
15	758.5	40.9	378	1	US-08-383-750-2
16	758.5	40.9	378	1	US-08-383-751A-2
17	758.5	40.9	378	3	US-08-352-678-2
18	758.5	40.9	378	4	US-09-045-583-49
19	758.5	40.9	378	4	US-09-534-185-49
20	758.5	40.9	378	5	PCT-US93-09636-2
21	757.5	40.9	378	3	US-09-299-843A-66
22	757.5	40.9	378	4	US-09-088-337B-66
23	742	40.0	359	1	US-08-153-848-24
24	742	40.0	359	3	US-09-299-843A-24
25	742	40.0	359	4	US-09-088-337B-24
26	742	40.0	359	5	PCT-US93-11153-24
27	721	38.9	361	2	US-08-902-294-2

28	721	38.9	361	3	US-09-178-637-2	Sequence 2, Appl
29	652	35.2	350	2	US-08-966-316-18	Sequence 18, Appl
30	638.5	34.4	374	4	US-09-045-583-48	Sequence 48, Appl
31	638.5	34.4	374	4	US-09-534-185-48	Sequence 48, Appl
32	637	34.4	350	2	US-08-966-316-16	Sequence 16, Appl
33	624	33.7	342	4	US-09-116-498-6	Sequence 6, Appl
34	619	33.4	342	4	US-09-116-498-4	Sequence 4, Appl
35	612	33.0	342	2	US-08-742-011-2	Sequence 2, Appl
36	612	33.0	342	4	US-09-275-384B-5	Sequence 5, Appl
37	612	33.0	342	4	US-09-116-498-2	Sequence 2, Appl
38	612	33.0	342	4	US-09-449-437A-2	Sequence 2, Appl
39	612	33.0	342	4	US-09-517-605-9	Sequence 9, Appl
40	598	32.3	352	4	US-09-045-583-52	Sequence 52, Appl
41	598	32.3	352	4	US-09-534-185-52	Sequence 52, Appl
42	596	32.1	352	4	US-09-087-232A-13	Sequence 13, Appl
43	596	32.1	352	4	US-08-861-105-14	Sequence 14, Appl
44	596	32.1	352	4	US-08-575-967A-2	Sequence 2, Appl
45	596	32.1	352	4	US-08-833-752-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1					
US-09-266-464-2					
Sequence 2, Application US/09266464					
GENERAL INFORMATION:					
APPLICANT: Andrew, David P.					
APPLICANT: Zabel, Brian A.					
APPLICANT: Ponath, Paul D.					
TITLE OF INVENTION: ANTI-GPR-9-6 ANTIBODIES AND METHODS OF					
FILE REFERENCE: IKS98-16					
CURRENT APPLICATION NUMBER: US/09/266,464					
NUMBER OF SEQ ID NOS: 7					
SOFTWARE: FastSeq for Windows Version 3.0					
SEQ ID NO 2					
LENGTH: 357					
TYPE: PRT					
ORGANISM: Homo sapiens					
US-09-266-464-2					
Query Match					
Best Local Similarity 100.0%; Pred. No. 6.1e-162; Length 357;					
Matches 357; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
QY	1	MADDYGSSESTSMEDYVNFNFTDFCEKNNRQFASHFLPPLVWLVFVIGALGNSLVLV	60		
DB	1	MADDYGSSESTSMEDYVNFNFTDFCEKNNRQFASHFLPPLVWLVFVIGALGNSLVLV	60		
QY	61	YWCTRVKVTMDMFLNLAIDLLFLVTLFPWAIADQMKFOTPMCKVNSMKNFYS	120		
DB	61	YWCTRVKVTMDMFLNLAIDLLFLVTLFPWAIADQMKFOTPMCKVNSMKNFYS	120		
QY	121	CVLLIMCISVVRXAIADQMAHRTMRERKILYSKWCFTTIVWLAACIPILYSQKEE	180		
DB	121	CVLLIMCISVVRXAIADQMAHRTMRERKILYSKWCFTTIVWLAACIPILYSQKEE	180		
QY	181	SGAICITWVYSDSTKLSAVLTLLKVLGFLFPVMAACCTYIIHTLLOAKSSKHKA	240		
DB	181	SGAICITWVYSDSTKLSAVLTLLKVLGFLFPVMAACCTYIIHTLLOAKSSKHKA	240		
QY	241	LKVTITVTVFVLSQFPYNCILVQITIDAYMFIISNCVSTNIDICQVOTIAPFHSCL	300		
DB	241	LKVTITVTVFVLSQFPYNCILVQITIDAYMFIISNCVSTNIDICQVOTIAPFHSCL	300		
QY	301	NPVLYVFGFRFRDLYKTLNLCICISQAOVSVSTRREGSKIKSSMLTETSGALSL	357		
DB	301	NPVLYVFGFRFRDLYKTLNLCICISQAOVSVSTRREGSKIKSSMLTETSGALSL	357		
RESULT 2					

US-08-153-848-19

Sequence 19, Application US/08153848

Patent No. 5759804

GENERAL INFORMATION:

APPLICANT: Godiska, Ronald

APPLICANT: Gray, Patrick W.

APPLICANT: Schweikart, Vicki L.

TITLE OF INVENTION: No. 5759804e1 Seven Transmembrane Receptors

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &

ADDRESSEE: Bicknell

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/153,848

FILING DATE:

CLASSIFICATION: 514

PRIORITY APPLICATION DATA:

FILING DATE: 17-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: No. 5759804and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31794

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 358 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-153-848-19

Query Match 42.1%; Score 780.5; DB 1; Length 358;

Best Local Similarity 42.9%; Pred. No. 8,6e-64;

Matches 153; Conservative 77; Mismatches 104; Indels 23; Gaps 6;

1 MADDYSESTSSMEDYVNFPTDFYCEKNNVQFASHFLPPLVWLVFIYVGLNGSLVILV 60

8 VTDDYIGDNT-----VDYTLFESLCSKDVNFAMFLPIWYSLICFGLGNGVLVLT 62

61 YWYCTRVKTMIDMFLNLAIADLLFVTLPPFMAIAADQKFTFMCKVNSMYKNFYS 120

63 YIFPKLTKMTDYLNLNLAADLLFVTLPPFMAIAADQKFTFMCKVNSMYKNFYS 122

121 CVLLIMCISVRYIAIAQAMRAHTRERKLLYSKVCFTIWIWLAALCIPILYSQIKKE 180

123 GMLLLCISIDRYVAIVQVSAHRRARVLISKSCVGIWTLATVSLPELTSQIKKE 182

181 SG--IAICTWVYPSDESTKLKSAVLTLY---ILGFPLPFVVMACCTYIIHTLQAKS 235

183 SSEQAMRCSLI-----TEHVEAFITIQVAKWVIGFLVPLAMSFYLVIRTLQARNF 236

236 SKHAKLKTITVLYVUSQFPCNLCILVQITDAVAMFISNCAVSTNIDICEVOTQIAT 295

237 ERNNAIKYLIIVVVFVIFQLPYNGVLAQTVANFNITSTSCISKQNLINAVDTYSLAC 296

296 FHSICNPLVLYVGEFRPRLVKTLLKNGICIS--AOWVSFTTRBSKLSKSLLE 349

297 VRCCVNPFLIAFIVGKFNLDLPLKFDIGLCSQSLQSLQSLQSLQSLQSLQSLQSLQSL 349

RESULT 3

US-09-299-843A-19

Sequence 19, Application US/09299843A

Patent No. 6107475

GENERAL INFORMATION:

APPLICANT: Godiska, Ronald

APPLICANT: Gray, Patrick W.

APPLICANT: Schweikart, Vicki L.

TITLE OF INVENTION: No. 6107475e1 Seven Transmembrane Receptors

NUMBER OF SEQUENCES: 66

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &

ADDRESSEE: Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/299,843A

FILING DATE:

CLASSIFICATION: 435

PRIORITY APPLICATION DATA:

FILING DATE: 01-JUN-1998

ATTORNEY/AGENT INFORMATION:

NAME: J111 E. UN1

REGISTRATION NUMBER: 43,213

REFERENCE/DOCKET NUMBER: 27866/32059B

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELEX:

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 358 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-299-843A-19

Query Match 42.1%; Score 780.5; DB 3; Length 358;

Best Local Similarity 42.9%; Pred. No. 8,6e-64;

Matches 153; Conservative 77; Mismatches 104; Indels 23; Gaps 6;

1 MADDYSESTSSMEDYVNFPTDFYCEKNNVQFASHFLPPLVWLVFIYVGLNGSLVILV 60

8 VTDDYIGDNT-----VDYTLFESLCSKDVNFAMFLPIWYSLICFGLGNGVLVLT 62

61 YWYCTRVKTMIDMFLNLAIADLLFVTLPPFMAIAADQKFTFMCKVNSMYKNFYS 120

63 YIFPKLTKMTDYLNLNLAADLLFVTLPPFMAIAADQKFTFMCKVNSMYKNFYS 122

121 CVLLIMCISVRYIAIAQAMRAHTRERKLLYSKVCFTIWIWLAALCIPILYSQIKKE 180

123 GMLLLCISIDRYVAIVQVSAHRRARVLISKSCVGIWTLATVSLPELTSQIKKE 182

181 SG--IAICTWVYPSDESTKLKSAVLTLY---ILGFPLPFVVMACCTYIIHTLQAKS 235

183 SSEQAMRCSLI-----TEHVEAFITIQVAKWVIGFLVPLAMSFYLVIRTLQARNF 236